

NSLS OHSAS Job Risk Assessment

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Name(s) of Risk Team Members: N. Foster, N. Gmür, S. Hoblit	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Radioactive source use Job Number or Job Identifier: LS-JRA-0024	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: The use of sealed radioactive sources	Severity (C)	Rad stop work, RAR	ORPS threshold exceeded	NTS report filed with DOE	DOE enforcement action levied against BNL	DOE mandated rad ops stand down
Training and Procedure List (Optional):	Likelihood (D)	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Approved by: W.R. Casey Date: 10/06/2005 Rev. #: 1 Revision Log	Stressors (if applicable, please list all):		Reason for Revision (if applicable):		Comments:	

		Before Controls						After Initial Controls						After Additional Controls						
Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction

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Job Step / Task	Hazard	Before Controls						Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Using sealed sources (includes moving sources to/from storage)	Radiation exposure	N	1	2	2	5	20	Training, dosimetry as required, postings, Safety Approval Forms as needed, custodian program, inventory, SBMS subject area, RADCON manual, RWP and RCT assistance as needed	1	2	1	4	8							
	Radioactive contamination from a compromised source	N	1	2	3	3	18	Semiannual leak checks of accountable sources, PPE, RADCON manual, RCT assistance as needed	1	2	1	2	4							
Transporting sealed sources to another building on site	See LS-JRA-0039 for Vehicle Use See LS-JRA-0022 for Transporting Chemicals and Radioactive Materials																			
Inventory of sealed sources	Radiation exposure	N	1	2	2	5	20	Training, dosimetry as required, postings, RWPs & Safety Approval Forms as needed, inventory, sealed radioactive source control subject area, RADCON manual, RCT assistance as needed	1	2	1	4	8							

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Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
	Radioactive contamination from a compromised source	N	1	2	3	3	18	Training, PPE, RADCON manual, RCT assistance as needed	1	2	1	2	4								
Further Description of Controls Added to Reduce Risk:																					
*Risk:	0 to 20 Negligible	21 to 40 Acceptable						41 to 60 Moderate				61 to 80 Substantial				81 or greater Intolerable					